To Storage Tank In The Tar Extractor Surplus Gas for Heating Or Steam Raising Gas Circulation Fan Pump Liquor Sump Water Tube Condenser Tar Pump Burner To Storage Tank Air Blower Spray Gas Scrubber Cooling Gas 30 C - 45 C Combustion Chamber Water Quench Cooling Gas Hot Gas Double Slide Valves Gas Outlet Retort Coa Reactive Char Ambient Pressures Entire Process Residency Time Approximately 4 hours Distribution Annulus Infrared or Radioactive Level Controller Ambient Temperatures 200 C - 300 C 150 C - 200 C 600 C - 950 C 450 C - 600 C 400 C - 600 C 250 C 400 C Hot Gas